

GP 347#4

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PATENT

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TOWNSEND and TOWNSEND KHOURIE and CREW

By: Arlene C. Markun

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of)
DUNMIRE, et al.)
Serial No. 08/046,337)
Filed: April 12, 1993)
For: BACKFLOW PREVENTOR WITH)
ADJUSTABLE OUTFLOW)
DIRECTION)

Examiner: Not Assigned
Group Art Unit: 3407
INFORMATION DISCLOSURE
STATEMENT

July 12, 1992

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Dear Sir:

Applicants direct the Examiner's attention to the references below, also listed on the accompanying Form PTO-1449. These references were listed in the parent application (U.S. Patent 5,226,441), grandparent application (U.S. Patent 5,107,888) and great-grandparent application (U.S. Patent 4,989,635), or corresponding foreign applications.

The following U.S. Patents are set forth below by issue date.

- U.S. Patent 213,394 issued March, 1879 to Cornwall.
- U.S. Patent 751,210 issued February, 1904 to Smith.

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U.S. Patent 510,503 issued December 12, 1893 to
Falkinburg.

U.S. Patent 825,499 issued July 10, 1906 to Sturtevant.

U.S. Patent 980,188 issued January 3, 1911 to Blauvelt.

U.S. Patent 1,399,791 issued December, 1921 to Pierson.

U.S. Patent 1,871,536 issued August, 1932 to Le Bus.

U.S. Patent 2,064,247 issued December, 1936 to Evans.

U.S. Patent 2,224,290 issued December 10, 1940 to
Corbin, jr.

U.S. Patent 2,389,413 issued November 20, 1945 to
Carlton.

U.S. Patent 2,515,425 issued July, 1950 to Restemeier.

U.S. Patent 2,556,277 issued June, 1951 to Hill, et al.

U.S. Patent 2,586,942 issued February 26, 1952 to
Grove.

U.S. Patent 2,827,921 issued March 25, 1958 to Sherman.

U.S. Patent 3,026,902 issued March, 1962 to Ruhl, jr.

U.S. Patent 3,051,151 issued August 28, 1962 to Helwig.

U.S. Patent 3,789,874 issued February 5, 1974 to Hills.

U.S. Patent 3,990,471 issued November 9, 1976 to
Schutzer, et al.

U.S. Patent 4,067,356 issued January 10, 1978 to Kruez.

U.S. Patent 4,109,819 issued August 29, 1978 to

Kushman, et al.

U.S. Patent 4,276,905 issued July 7, 1981 to Lourdeaux.

U.S. Patent 4,284,097 issued August 18, 1981 to Becker,
et al.

U.S. Patent 4,333,495 issued June 8, 1982 to Griswold,
et al.

U.S. Patent 4,457,333 issued July 3, 1984 to Sharp.

U.S. Patent 4,552,174 issued November, 1985 to Carl, et
al.

U.S. Patent 4,595,032 issued June, 1986 to Banks.

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U.S. Patent 4,802,507 issued February 7, 1989 to
Willson.

U.S. Patent 4,991,622 issued February, 1991 to Brewer,
et al.

The following foreign patents are set forth below by
approximate date of publication.

DE 3,330,409 issued to Piening published March, 1985.

The following articles are set forth below by the
indicated year of publication date (if any).

"Backflow Prevention Assemblies," a brochure of FEBCO
(division of CMB Industires), pp. 1, 8-16 and 21, which shows
check valves for a backflow preventor of previous design.

"Installation, Maintenance and Parts Manual for
Backflow Prevention Assemblies," Ames Co., Inc., pp. 7-8 and 12,
which shows a check valve with a knuckle joint assembly.

"Model RP-1 Backflow Preventor," Clayton Automatic
Valves, pp. 88-89, which shows a toggle-lever check valve.

"Installation/Operation/Maintenance" manual, Clayton
Automatic Valves, pp. 63-79, which shows backflow preventors with
toggle levers and with poppet-type check valves.

The following references were cited in an EP search
report for the parent application. Copies of the references
listed below are enclosed. I hereby certify that each of the
following items of information contained in this information
disclosure statement was cited in a communication from a foreign
patent office in a counterpart foreign application not more than
three months prior to the filing of this statement.

U.S. Patent 4,357,954 issued November 9, 1982 to
Hunter.

British Patent 1,490,553 published November 2, 1977.

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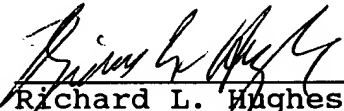
This Information Disclosure Statement is being filed prior to the first Office Action.

Although no fee is believed to be due, the Commissioner is hereby authorized to charge any fee necessitated by this transmittal to the Townsend and Townsend Kourie and Crew Deposit Account No. 20-1430.

Respectfully submitted,

TOWNSEND and TOWNSEND KHOURIE
and CREW

By:


Richard L. Hughes
Reg. No. 31,264

RLH/acg
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Enclosures:
PTO-1449